NOTES

THE HOLD-DOWN PLATE SHALL CONFORM TO AASHTO M270 GRADE 250. AFTER FABRICATION, THE HOLD-DOWN PLATE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111. BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M291M. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. AT THE CONTRACTOR'S OPTION, STAINLESS STEEL BOLTS, NUTS AND WASHERS MAY BE USED AS AN ALTERNATE FOR THE 22.23mm Ø GALVANIZED BOLTS, NUTS AND WASHERS. THEY SHALL CONFORM TO OR EXCEED THE MECHANICAL REQUIREMENTS OF ASTM A307. THE

THE GUARDRAIL ANCHOR ASSEMBLY SHALL CONSIST OF A 6mm HOLD DOWN PLATE AND

7 - 22.23mm Ø BOLTS WITH NUTS AND WASHERS.

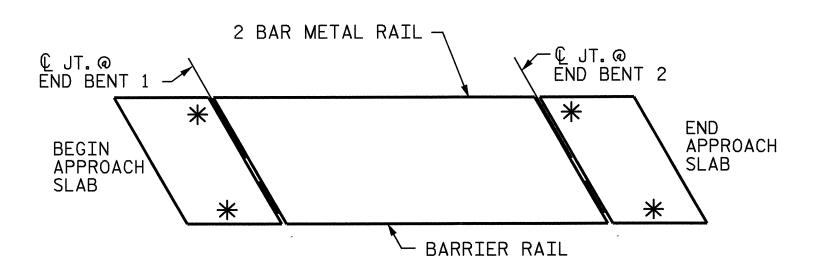
AFTER INSTALLATION, THE EXPOSED THREAD OF THE BOLT SHALL BE BURRED WITH A SHARP POINTED TOOL.

USE OF THIS ALTERNATE SHALL BE APPROVED BY THE ENGINEER.

THE COST OF THE GUARDRAIL ANCHOR ASSEMBLIES WITH BOLTS, NUTS AND WASHERS COMPLETE IN PLACE, SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR BRIDGE APPROACH SLABS.

THE VERTICAL REINFORCING BARS MAY BE SHIFTED SLIGHTLY IN THE END POST TO CLEAR ASSEMBLY BOLTS.

THE 32mm Ø HOLES SHALL BE FORMED OR DRILLED WITH A CORE BIT. IMPACT TOOLS WILL NOT BE PERMITTED. ANY CONCRETE DAMAGED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.



SKETCH SHOWING POINTS OF ATTACHMENT

* INDICATES POINTS OF ATTACHMENT

1.525m 102 ANCHOR ASSEMBLY __ € JOINT @ END BENT -BARRIER RAIL CURB @ GUTTER — - CONST. JT. CONST. JT. APPROACH SLAB

LOCATION OF GUARDRAIL ANCHOR AT BARRIER RAIL

PROJECT NO. R-0977A CHERKOEE __ COUNTY STATION: 24+60.500-LC1B-

SHEET 5 OF 5

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB GUARDRAIL ANCHORAGE DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-122
1			3			TOTAL SHEETS
2			4			230
STR.	#3					



· © GUARDRAIL ANCHOR ASSEMBLY © GUARDRAIL -**ANCHOR ASSEMBLY** ANCHOR ASSEMBLY ─ © 27mm Ø HOLES (TYP.) € 22.23mm Ø X 406mm BOLT WITH ROUND WASHERS (END POST) -└─ 6mm HOLD-DOWN ₽ £ 22.23mm Ø X 280mm 6mm HOLD-DOWN ₽ BOLT WITH ROUND WASHERS (BARRIER RAIL) -32mm Ø HOLE (TYP.) ----END VIEW PLAN GUARDRAIL ANCHOR ASSEMBLY DETAILS

(TYPICAL AT BARRIER RAIL AND END POST)

280

102

102

© GUARDRAIL 1140 ANCHOR ASSEMBLY CURB @ GUTTER-----------11 (1 11 11 111 11 CONST.JT -(LEVEL) L@ JOINT

> END VIEW (TWO BAR METAL RAIL)

LOCATION OF GUARDRAIL ANCHOR AT END POST

L APPROACH SLAB

ANCHOR ASSEMBLY PLAN

C GUARDRAIL

560

ELEVATION

228mm (BARRIER RAIL)

355mm (END POST)

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